

DaimlerChrysler AG

Patent claims

1. A large bodywork part, in particular a hood or
5 a front hood, which is designed to be impact-absorbing
for a head impact, with a reinforcing internal section
and with an external panel which is connected to the
internal section by means of connection elements,
10 characterized in that the connection elements are
configured as tongues (15, 16), projecting from the
internal section (1), which are arranged at a distance
from one another.

2. The large bodywork part as claimed in claim 1,
15 characterized in that each tongue (15, 16) comprises a
flange (17, 18) against which the panel (19)
selectively bears.

3. The large bodywork part as claimed in claim 1
20 or 2, characterized in that the tongues (15, 16) and
the internal section (1) are configured integrally.

4. The large bodywork part as claimed in claim 3,
characterized in that the internal section (1)
25 comprises a frame (2) which overlaps an edge region of
the external panel (19) and which forms at least one
recess (3).

5. The large bodywork part as claimed in claim 4,
30 characterized in that profiled members (4, 5) arranged
in a latticework manner relative to one another extend
within the frame (2) in the recess (3), the tongues
(15, 16) projecting from the profiled members (4, 5).

35 6. The large bodywork part as claimed in claim 5,
characterized in that profiled members (4, 5) are
arranged within the recess (3) which extend in the
longitudinal direction of the vehicle.

7. The large bodywork part as claimed in claim 5
or 6, characterized in that a partial region of the
recess (3) is closed by means of a structural component
5 (6).

8. The large bodywork part as claimed in claim 5
or 6, characterized in that two tongues (15, 16)
project obliquely upwards from the profiled members (4,
10 5) in a mirror symmetrical manner, resulting in a W-
shaped cross-section of the profiled member (4, 5) and
tongues (15, 16).

9. The large bodywork part as claimed in claim 1,
15 characterized in that the number of tongues (15, 16)
determines the intrusion depth of the external panel
(19).